

## Muskrat Suzie

by Jay Connor

Gemology Online Faceting Design Competition 2014

Cutthroat Entry 8

Angles for R.I. = 1.540

17 + 4 girdles = 21 facets

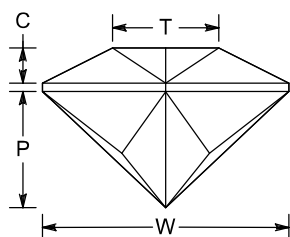
1-fold, mirror-image symmetry

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$L/W = 1.514$   $T/W = 0.431$   $U/W = 0.429$

$P/W = 0.471$   $C/W = 0.143$

$Vol./W^3 = 0.204$



## PAVILION

- |    |        |       |  |
|----|--------|-------|--|
| P1 | 44.77° | 36-60 | Cut to centerpoint, using (16-36-60-80).       |
| P2 | 48.37° | 19-77 | Meet at culet.                                 |
| P3 | 48.17° | 16-80 | Meet at culet (overwrite the extra P1 facets). |
| G1 | 90.00° | 36-60 | Set stone size.                                |
| G2 | 90.00° | 17-79 | Meet P1, P2, G1                                |
| P3 | 55.05° | 17-79 | Level girdle.                                  |

## CROWN

- |    |        |       |                         |
|----|--------|-------|-------------------------|
| C1 | 36.99° | 17-79 | Set girdle width.       |
| C2 | 25.00° | 36-60 | Level girdle.           |
| C3 | 25.32° | 15-81 | Meet G2, C1             |
| C4 | 16.36° | 41-55 | Meet G1, C2; C1, C2, C3 |
| T  | 0.00°  | Table | Meet C1, C2, C3, C4     |

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